Montana Board of Oil and Gas Conservation Environmental Assessment

Operator: Kykuit Resources, LLC
Well Name/Number: Blazicevich #11-21-19
Location: SW SE Section 11 T21N R19E
County: Fergus , MT; Field (or Wildcat) Wildcat
Air Quality
(possible concerns)
Long drilling time: No, 3 to 4 days
Unusually deep drilling (high horsepower rig): No, small single drilling rig TD 2200'.
Possible H2S gas production: No, sweet gas production.
In/near Class I air quality area: Not in a Class I air quality area.
Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required under
75-2-211.
Mitigation:
X Air quality permit (AQB review)
Gas plants/pipelines available for sour gas
Special equipment/procedures requirements
Other:
Comments: Small single derrick drilling rig to drill to 2200' TD.
Water Quality
(possible concerns)
Salt/oil based mud: No, freshwater and freshwater mud system to be used
High water table: No, high water table expected.
Surface drainage leads to live water: Closest drainage is Cut Bank Creek, about 200'to the
southwest of this location.
Water well contamination: None, closest water wells are 5/8 of a mile and 3/4 of a mile to the
southeastt from this location. Depth of theses water wells are 200' and unknown depth. Surface
hole will be drilled with freshwater to 250'. Steel surface casing will be run and cemented to
surface to protect ground waters.
Porous/permeable soils: No, sandy bentonitic soils.
Class I stream drainage: No, Class I stream drainages nearby.
Mitigation:
Lined reserve pit
X Adequate surface casing
Berms/dykes, re-routed drainage
Closed mud system
Off-site disposal of solids/liquids (in approved facility)
Other:
Comments: Adequate surface casing to be set, 250' to protect water wells.
Soils/Vegetation/Land Use

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(possible concerns)

Steam crossings: No, streams to be crossed, only ephemeral drainages.
High erosion potential: No, moderate cut up to 11.8' and small fill up to 0.6', required.
Loss of soil productivity: No, location will be restored after drilling, if nonproductive. If
productive unused portion of drillsite will be reclaimed.
Unusually large wellsite: No, small drillsite, 200'X200'.
Damage to improvements: Slight, surface use is a cultivated field.
Conflict with existing land use/values: Slight
Mitigation A void improvements (topographic telerance)
Avoid improvements (topographic tolerance)Exception location requested
X Stockpile topsoil
Stockpile topsoil Stream Crossing Permit (other agency review)
X Reclaim unused part of wellsite if productive
Special construction methods to enhance reclamation
Other
Comments: Will utilize existing county road, Simac Road. Short access off existing county
road to be build, about 3/4 of a mile of new access will be built into this location. Unlined earthen
pits will be utilized for drilling. Top water will be recycled to the next location and solids will be
allowed to dry in the pits. When pits are dry they will be filled in with subsoil and topsoil spread.
No concerns.
Health Hazards/Noise
Health Hazarus/Noise
(possible concerns)
Proximity to public facilities/residences: <u>Closest residences are about ¾ of a mile to the</u>
southeast, 1 mile to the northeast and 1.25 miles to the northwest from this wellsite.
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Other:
Comments: Private surface lands. Surface use is cultivated field. Closest Greater Sage
Grouse Lek is over 1 mile away. Sage Grouse Mitigation for Oil & Gas Operations on School
Trust Lands (November 2007) requires a ¼ mile buffer around active Leks and time restrictions
apply. This well is more than \(\frac{1}{4} \) mile from the nearest Lek and will be drilled after June 15, 2010
and before March 1, 2011. No concerns.
Historical/Cultural/Paleontological
(possible concerns)
Proximity to known sites None identified
Mitigation
avoidance (topographic tolerance, location exception)
other agency review (SHPO, DSL, federal agencies)
Other:
Comments: Surface is private cultivated land. No concerns.
Social/Economic
(possible concerns)
Substantial effect on tax base
Create demand for new governmental services
Population increase or relocation
Comments: No, impact expected from the drilling of this well.
Remarks or Special Concerns for this site
No special concerns about this wellsite. This is a Cretaceous Eagle Formation test to be drilled
<u>to 2200' TD.</u>
Summary: Evaluation of Impacts and Cumulative effects
No similar and an large description and described from the deliling of this well from the deliling of the second
No significant or long term impacts expected from the drilling of this well. Some short term
impacts will occur.
I conclude that the approval of the subject Notice of Intent to Drill (does/ <u>does not</u>) constitute a
major action of state government significantly affecting the quality of the human environment,
and (does/does not) require the preparation of an environmental impact statement.
Prepared by (BOGC): /s/ Steven Sasaki
(title:) Chief Field Inspector
Date: July 7, 2010
Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website
(Name and Agency)
Fergus County water wells
(subject discussed)
May 27, 2010
(date)
US Fish and Wildlife, Region 6 website
(Name and Agency)
ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA
COUNTIES, Fergus County
(subject discussed)
_June 22, 2010
(date)
M. T. G. D. L. (M.) EWD
Mr. Tom Stivers, Biologist, Montana FWP
(Name and Agency)
Greater Sage Grouse Leks in Fergus County, Montana
(subject discussed)
June 22, 2010
(date)
If location was inspected before permit approval:
If location was inspected before permit approval:
Inspection date: Inspector:
Others present during inspection: